#### SEQUENCE LISTING

#### (1) GENERAL INFORMATION:

- (i) APPLICANT: Amgen Inc.
- (ii) TITLE OF INVENTION: COMBINATION THERAPY USING A TNF BINDING PROTEIN FOR TREATING TNF-MEDIATED DISEASES
- (iii) NUMBER OF SEQUENCES: 4
- (iv) CORRESPONDENCE ADDRESS:
  - (A) ADDRESSEE: Amgen Inc.
  - (B) STREET: 1840 DeHavilland Drive
  - (C) CITY: Thousand Oaks
  - (D) STATE: CA

  - (E) COUNTRY: US (F) ZIP: 91320-1789
- (v) COMPUTER READABLE FORM:
  - (A) MEDIUM TYPE: Floppy disk
  - (B) COMPUTER: IBM PC compatible
  - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
  - (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
- (vi) CURRENT APPLICATION DATA:
  - (A) APPLICATION NUMBER: NOT YET KNOWN
  - (B) FILING DATE: 08-DEC-1997
  - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
  - (A) APPLICATION NUMBER: US 60/032,587
  - (B) FILING DATE: 06-DEC-1996
- (vii) PRIOR APPLICATION DATA:
  - (A) APPLICATION NUMBER: US 60/036,355
  - (B) FILING DATE: 23-JAN-1997
- (vii) PRIOR APPLICATION DATA:
  - (A) APPLICATION NUMBER: US 60/039,315 (B) FILING DATE: 07-FEB-1997
- (vii) PRIOR APPLICATION DATA:
  - (A) APPLICATION NUMBER: US 60/052,023
  - (B) FILING DATE: 09-JUL-1997
- (viii) ATTORNEY/AGENT INFORMATION:
  - (A) NAME: Zindrick, Thomas K.
    - (B) REGISTRATION NUMBER: 32,185 (C) REFERENCE/DOCKET NUMBER: A-430D
- (2) INFORMATION FOR SEQ ID NO:1:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 483 base pairs
    - (B) TYPE: nucleic acid
    - (C) STRANDEDNESS: unknown
    - (D) TOPOLOGY: unknown
  - (ii) MOLECULE TYPE: cDNA

## (ix) FEATURE:

(A) NAME/KEY: CDS
(B) LOCATION: 1..483

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

														AAT Asn 15			48
														GAC Asp	_		96
														GGC Gly		. 1	44
														TCC Ser		1	92
														GTG Val		2	40
														TAT Tyr 95		2	88
														AAT Asn		3	36
														ACC Thr		3	84
														AGT Ser		4	32
TGT Cys 145	AAG Lys	AAA Lys	AGC Ser	CTG Leu	GAG Glu 150	TGC Cys	ACG Thr	AAG Lys	TTG Leu	TGC Cys 155	CTA Leu	CCC Pro	CAG Gln	ATT Ile	GAG Glu 160	4	80
AAT Asn																4	83

## (2) INFORMATION FOR SEQ ID NO:2:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 161 amino acids (B) TYPE: amino acid (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: protein
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

A:	sp 1	Ser	Val	Cys	Pro 5	Gln	Gly	Lys	Tyr	Ile 10	His	Pro	Gln	Asn	Asn 15	Ser
I	le	Суз	Cys	Thr 20	Lys	Cys	His	Lys	Gly 25	Thr	Tyr	Leu	Tyr	Asn 30	Asp	Cys
P	ro	Gly	Pro 35	Gly	Gln	Asp	Thr	Asp 40	Cys	Arg	Glu	Cys	Glu 45	Ser	Gly	Ser
Pl	ne	Thr 50	Ala	Ser	Glu	Asn	His 55	Leu	Arg	His	Cys	Leu 60	Ser	Cys	Ser	Lys
	/s 55	Arg	Lys	Glu	Met	Gly 70	Gln	Val	Glu	Ile	Ser 75	Ser	Cys	Thr	Val	Asp 80
A	rg	Asp	Thr	Val	Cys 85	Gly	Cys	Arg	Lys	Asn 90	Gln	Tyr	Arg	His	Tyr 95	Trp
Se	er	Glu	Asn	Leu 100	Phe	Gln	Cys	Phe	Asn 105	Cys	Ser	Leu	Cys	Leu 110	Asn	Gly
Tl	ar	Val	His 115	Leu	Ser	Cys	Gln	Glu 120	Lys	Glņ	Asn	Thṛ	Val 125	Cys	Thr	Cys
H	is	Ala 130	Gly	Phe	Phe	Leu	Arg 135	Glu	Asn	Glu	Cys	Val 140	Ser	Cys	Ser	Àsn
	/s 15	Lys	Lys	Ser	Leu	Glu 150	Cys	Thr	Lys	Leu	Cys 155	Leu	Pro	Gln	Ile	Glu 160
As	sn															
(2	2)	INFO	ORMAT	rion	FOR	SEQ	ID N	10:3	:							
	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 705 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: unknown</li> <li>(D) TOPOLOGY: unknown</li> </ul>															
	•	(ii)	MOI	LECUI	E TY	PE:	CDNA	Ā								
	:	(ix)	( ]		ME/F	KEY:										

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

20

TTG CCC GCC CAG GTG GCA TTT ACA CCC TAC GCC CCG GAG CCC GGG AGC Leu Pro Ala Gln Val Ala Phe Thr Pro Tyr Ala Pro Glu Pro Gly Ser 1 10 15

ACA TGC CGG CTC AGA GAA TAC TAT GAC CAG ACA GCT CAG ATG TGC TGC Thr Cys Arg Leu Arg Glu Tyr Tyr Asp Gln Thr Ala Gln Met Cys Cys

AGC AAG TGC TCG CCG GGC CAA CAT GCA AAA GTC TTC TGT ACC AAG ACC Ser Lys Cys Ser Pro Gly Gln His Ala Lys Val Phe Cys Thr Lys Thr 35

TCG GAC ACC GTG TGT GAC TCC TGT GAG GAC AGC ACA TAC ACC CAG CTC

48

96

144

192

Ser	Asp 50	Thr	Val	Cys	Asp	Ser 55	Cys	Glu	Asp	Ser	Thr 60	Tyr	Thr	Gln	Leu	
													-	AGC Ser		240
														ATC Ile 95		288
														GGG Gly		336
CGG Arg	CTG Leu	TGC Cys 115	GCG Ala	CCG Pro	CTG Leu	CGC Arg	AAG Lys 120	TGC Cys	CGC Arg	CCG Pro	GGC Gly	TTC Phe 125	GGC Gly	GTG Val	GCC Ala	384
														GCC Ala		432
GGG Gly 145	ACG Thr	TTC Phe	TCC Ser	AAC Asn	ACG Thr 150	ACT Thr	TCA Ser	TCC Ser	ACG Thr	GAT Asp 155	ATT Ile	TGC Cys	AGG Arg	CCC Pro	CAC His 160	480
CAG Gln	ATC Ile	TGT Cys	AAC Asn	GTG Val 165	GTG Val	GCC Ala	ATC Ile	CCT Pro	GGG Gly 170	AAT Asn	GCA Ala	AGC Ser	AGG Arg	GAT Asp 175	GCA Ala	528
									Ser					GCA Ala		576 ·
														CCA Pro		624
CCA Pro	GAA Glu 210	CCC Pro	AGC Ser	ACT Thr	GCT Ala	CCA Pro 215	AGC Ser	ACC Thr	TCC Ser	TTC Phe	CTG Leu 220	CTC Leu	CCA Pro	ATG Met	GGC Gly	672
	AGC Ser															705

# (2) INFORMATION FOR SEQ ID NO:4:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 235 amino acids
  - (B) TYPE: amino acid
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: protein
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

Leu Pro Ala Gln Val Ala Phe Thr Pro Tyr Ala Pro Glu Pro Gly Ser 1 5 10 . 15

Thr Cys Arg Leu Arg Glu Tyr Tyr Asp Gln Thr Ala Gln Met Cys Cys 20 25 30

Ser Lys Cys Ser Pro Gly Gln His Ala Lys Val Phe Cys Thr Lys Thr Ser Asp Thr Val Cys Asp Ser Cys Glu Asp Ser Thr Tyr Thr Gln Leu Trp Asn Trp Val Pro Glu Cys Leu Ser Cys Gly Ser Arg Cys Ser Ser 65 70 75 80 Asp Gln Val Glu Thr Gln Ala Cys Thr Arg Glu Gln Asn Arg Ile Cys Thr Cys Arg Pro Gly Trp Tyr Cys Ala Leu Ser Lys Gln Glu Gly Cys Arg Leu Cys Ala Pro Leu Arg Lys Cys Arg Pro Gly Phe Gly Val Ala 115 120 125Arg Pro Gly Thr Glu Thr Ser Asp Val Val Cys Lys Pro Cys Ala Pro Gly Thr Phe Ser Asn Thr Thr Ser Ser Thr Asp Ile Cys Arg Pro His 150 Gln Ile Cys Asn Val Val Ala Ile Pro Gly Asn Ala Ser Arg Asp Ala 165 170 175165 Val Cys Thr Ser Thr Ser Pro Thr Arg Ser Met Ala Pro Gly Ala Val His Leu Pro Gln Pro Val Ser Thr Arg Ser Gln His Thr Gln Pro Thr 200 Pro Glu Pro Ser Thr Ala Pro Ser Thr Ser Phe Leu Leu Pro Met Gly 215 Pro Ser Pro Pro Ala Glu Gly Ser Thr Gly Asp 230